BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUBDIVISION

WARD NO.07, Byatarayanapura

Measurement sheet

Name of work: Drilling of borewells and providing pipe line to borewells in ward no.07 Byatarayanapura

BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUB DIVISION- WARD 7 BYATARAYANAPURA

Agency	Sri.T.Nataraj							
Name of work:-Drilling of borewells and providing pipe line to borewells in ward no.07 byatarayanapura Cost:- 40.00 Lakhs							Estimated	
Sl NO	Description of work	unit	nos	L	B	D	QTY	
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe required an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction							
	Near Masjid-Venkategowda layout	nos	1				1	
	Near Kteramma temple-		1				1	
							2	
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,)						7	
	0-50	rmtr	2	50.0			100	
3	50-100		2	50.0			100	
4	100-150		2	50.0			100	
5	150-200		2	50.0			100	
6	200-250		2	50.0			100	
7	250-300		2	50.0			100	
8	300-340		2	40.0			80	

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

NDP
AE(LI)

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

9	Supply of ISI mark 175 mm nominal bore, plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10 Kg/mtr.(Inclusive of all taxes and durties). Prices include collar-medium duty.							
	Near Masjid-Venkategowda layout	**rmtr**	1	70.0			70	
	Near Kteramma temple-Byatarayanapura		1	70.0			70	
							140	NDP AEU-1
10	Providing 200mm dia PVC Pipe10kg/cm2							
	Near Masjid-Venkategowda layout	**rmtr**	1	30.0			30	
	Near Kteramma temple-Byatarayanapura		1	30.0			30	
							60	NDP AEU-1
11	Providing and supllying 175mm dia M.S.Cap (as per PREC SR 2012-							
	Near Masjid-Venkategowda layout	**Nos**	1				1	
	Near Kteramma temple-Byatarayanapura		1				1	
							2	NDP AEU-1
12	Supplying and delivery at site brand new texmo/innoval/Lubi/sabar/atlanta/calamal make suitable for vertical installation in 150mm dia borewell comprising of single stage or multi stage CF pump close coupled by means od stainless steel coupling to suitable HP speed totally enclosed and filled with pure drinkning water (wet type) squirrel cage submersible induction motor suitable for operation of 3PH, 50HZ SUCTION CASING SUCTION STRAINERS STAND GUARD NON RETURN VALVE ETC.,.The pump and motor shal form an integral unit with all the required fittings 17.50 HP 40 stage, Atlanta<suguna<cri<kirloskar and other equivalent pumps etc., complete as per the directions of the engineer in charge of the work.							

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. Bangalore.

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. Bangalore.

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. Bangalore.

	Near Masjid-Venkategowda layout	Nos	1				1	
	Near Kteramma temple-Byatarayanapura		1				1	
							2	
13	Providing GI Pipe 50mm B class etc., complete as per the directions of the engineer in charge of the work.							
	Near Masjid-Venkategowda layout	m	1	280.0			280	
	Near Kteramma temple-Byatarayanapura		1	280.0			280	
							560	
14	Providing collar 50mm, complete as per the directions of the engineer in charge of the work.							
	Near Masjid-Venkategowda layout	nos	48				48	
	Near Kteramma temple-Byatarayanapura		45				45	
							93	
15	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-c(1) 2.5 Sqm mm of 36 strands 0.3mm dia Group -							
	Near Masjid-Venkategowda layout	mtr	2	295.0			590	
	Near Kteramma temple-Byatarayanapura		2	285.0			570	
							1160	
16	Labour charges for erection as new repaired submersible pumpset along with GI piep (32/50)mm cable new submersible pumpset if required will be supplied by the department free od cost and relaesed pumpset should be handed over to department incldiung transportation.(Each= lebgth=6.00) etc., completed as per the directions of the engineer in charge of the work.							
		~~days~~	47				47	

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

17	Supplying and fixing 20x20x2.5 polished wood durface board not less than 15mm thick plank on both sides with planks made put of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., complete as per the directions of the engineer in charge of the work.							
	Near Masjid-Venkategowda layout	nos	1				1	
	Near Kteramma temple-Byataravanapura		1				1	
							2	NDP AE(Civil)
18	Supplying of 1.1 KV LTUG cable having aluminium conductor PVC insulated extruded inner sheathed galvanised, steel strip(except) 2cx10 sqm wire and extruded PVC confirming to IS 3975:1990(No. of strip indicated in GTP) SPECIFIED IS 1554 Part-1:1988 and confirming to GTP of group A etc., complete as per the directions of the engineer in charge of the work.							
	Near Masjid-Venkategowda layout	m	1	30			30	
	Near Kteramma temple-Byataravanapura		1	30.0			30	
							60	NDP AE(Civil)
19	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical							
	Near Masjid-Venkategowda layout	m	1	30			30	
	Near Kteramma temple-Byataravanapura		1	30.0			30	
							60	NDP AE(Civil)
20	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete a sper the directions of the engineer incharge							
	Near Masjid-Venkategowda layout	m	1	25			25	
	Near Kteramma temple-Byataravanapura		1	25.0			25	
							50	NDP AE(Civil)

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.
Bangalore.

21	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class complete a sper the directions of the engineer incharge							
	Near Masjid-Venkategowda layout	m	1	4			4	
	Near Kteramma temple-Bvataravanapura		1	4.0			4	
							8	NDP AE(E)
22	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. complete a sper the directions of the engineer incharge							
	Near Masjid-Venkategowda layout	no	1				1	
	Near Kteramma temple-Bvataravanapura		1				1	
							2	NDP AE(E)
23	Supplying and fixing wiring, earth electrode conduits, IC cutouts and other equipments n the board using 40mm dia 2.90mm thick GI pipe 2.5m long buried in apit the pit should be filled with equal porportion of slat and charcoal 150mm all round the ppe to complete depth. The connection fromthe pipe to the conduit etc., is to be established through GI wire od size as per ISI psefication of IS 732 using 12mm dia blots nuts washers and check nuts etc., the pipe shall have 16 though holes o 122mm dia etc., complete and as per the directions of the Engineer in charged of the owrk.							
	Near Masjid-Venkategowda layout	no	1				1	
	Near Kteramma temple-Bvataravanapura		1				1	
							2	NDP AE(E)
24	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete....							
	Near Masjid-Venkategowda layout	no	6				6	
	Near Kteramma temple-Bvataravanapura		6				6	
							12	NDP AE(E)
25	Providning and fixing 50mm nominal bore gun metal non return etc., complete as per the directions of the engineer in charge of the work.							

Certified

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka
Ba

	Near Masjid-Venkategowda layout	no	1				1	
	Near Kteramma temple-Bvataravanapura		1				1	
							2	NDP AE(wcf)
26	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and wiring complete as requireds32 to 63 amps triple pole with all lead						2	
	Near Masjid-Venkategowda layout	no	1				1	
	Near Kteramma temple-Bvataravanapura		1				1	
							2	NDP AE(wcf)
27	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33						1	
		SQCM	46800				46800	
							46800	NDP AE(wcf)
28	Providing outdoor panel upto 15.00 HP etc., complete as per the directions of theEnginer in charge of the worj						1	
	Near Masjid-Venkategowda layout	no	1				1	
	Near Kteramma temple-Bvataravanapura		1				1	
							2	NDP AE(wcf)

Assistant Executive Engineer
Kodige Division,
Yelahanka B.B.M.P.
Bangalore.

32	Dismantling of cement oncrte pavement by mechanical means using pnuematic tools breaking into pieces not eceeding 0.02 cum in volume ans stock piling at designated loactions and disposal of dismantled materials separately etc., complete.							
	Khasinagara	cum						
	Main road		4	30	0.6	0.3	21.60	
	cross roads		2	30	0.6	0.3	10.80	
			2	30	0.6	0.3	10.80	
	bhadrappa layout		5	30	0.6	0.3	27.00	
			5	30	0.6	0.3	27.00	
			5	30	0.6	0.3	27.00	
			5	30	0.6	0.3	27.00	
			2	30	0.6	0.3	10.80	
	Kempapura		2	30.0	0.6	0.3	10.80	
			2	30.0	0.6	0.3	10.80	
			2	30.0	0.6	0.3	10.80	
			2	30.0	0.6	0.3	10.80	
	Near Kteramma temple- Byatarayanapura		2	30.0	0.6	0.3	10.80	
	cross roads		2	30.0	0.6	0.3	10.80	
			2	30.0	0.6	0.3	10.80	
	Byatarayanapura		2	15.0	0.6	0.3	5.40	
							243	
					Qty Ltd to		242.64	

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

29	Earthwork excavation for pie line trenches inclduing deporting or bank up to a lead of 50mtrs including shirry and strating danger lighting and using site rails and boming pooles at every 100 mtrs wherever necessary a sdirected in the fololowing structure manhole, complete as per the directions of the engineer in charge of the owrk.							
	Khasinagara	cum						
	Main road		4	30	0.6	0.6	43.20	
	cross roads		2	30	0.6	0.6	21.60	
			2	30	0.6	0.6	21.60	
	bhadrappa layout		5	30	0.6	0.6	54.00	
			5	30	0.6	0.6	54.00	
			5	30	0.6	0.6	54.00	
			5	30	0.6	0.6	54.00	
			2	30	0.6	0.6	21.60	
	Kempapura		2	30.0	0.6	0.6	21.60	
			2	30.0	0.6	0.6	**21.60**	
			2	30.0	0.6	0.6	**21.60**	
	Near Kteramma temple-Byatarayanapura		2	30.0	0.6	0.6	**21.60**	
	Near Masjid-Venkategowda layout		2	30.0	0.6	0.6	21.60	
	cross roads		2	30.0	0.6	0.6	**21.60**	
			2	30.0	0.6	0.6	**21.60**	
	Byatarayanapura		2	30.0	0.6	0.6	**21.60**	
							496.8	
30	Providing and istallation at site works PVC pipes inclduing cost of pipes and specials and inclui=ding lowering into trenches, laying true to line level and perfect linking at joits leak proof inclduing jointing encasing the pipe alound to adepth not less than 15cms with grave or selected earth available from the excavation etc., complete, 75mm dia 6 KSC PVC pipe							
	Khasinagara	cum						
	Main road		4	30			120.00	
	cross roads		2	30			60.00	
			2	30			60.00	
	bhadrappa layout		5	30			150.00	
			5	30			150.00	
			5	30			150.00	
			5	30			150.00	
			2	30			60.00	
	Kempapura		2	30.0			60.00	
			2	30.0			**60.00**	
			2	30.0			**60.00**	
			2	30.0			**60.00**	
	Byatarayanapura		2	30.0			**60.00**	
	cross roads		2	30.0			**60.00**	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

			2	30.0			60.00	
	yatarayanapura		2	15.0			30.00	
							1350	
					Qty Ltd to,		1348	
31	Refilling the basement and pipeline trenches with selected avaialable earth for trench excavation including authority condition in layers from the including dispoensery of the surplus earth with a heavy 200 mtrs etc.., completed							
	Khasinagara	cum						
	Main road		4	30	0.6	0.45	32.40	
	cross roads		2	30	0.6	0.45	16.20	
			2	30	0.6	0.45	16.20	
	bhadrappa layout		5	30	0.6	0.45	40.50	
			5	30	0.6	0.45	40.50	
			5	30	0.6	0.45	40.50	
			5	30	0.6	0.45	40.50	
			2	30	0.6	0.45	16.20	
	Kempapura		2	30.0	0.6	0.45	16.20	
			2	30.0	0.6	0.45	16.20	
			2	30.0	0.6	0.45	16.20	
			2	30.0	0.6	0.45	16.20	
			2	30.0	0.6	0.45	16.20	
	cross roads		2	30.0	0.6	0.45	16.20	
			2	30.0	0.6	0.45	16.20	
	Byatarayanapura		2	15.0	0.6	0.45	8.10	
							364.5	
					Qty Ltd to		365.96	

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

33	Providng NP/CP waste unions confirming to ISI specfications and fixing them in position as per the directions inclduing cost of materials fixrtures and conveyance to work spot, etc., complete for 50 mm dia							
	Near Masjid-Venkategowda layout	nos	1				1	
	Near Kteramma temple-Byatarayanapura		1				1	
							2	NDP AE(Ele)
34	Providng and fixing in position brass gate valve with CI wheel of approved quality (screwed end) 50mm nominal bore inlcuding cost of lal materials labour and hom equipments with all leads complete as per specfiications with all lead and lift loading unloading and labour charges etc., complete.							
	Khasinagara	nos	30				30	
	Near Kteramma temple-Byatarayanapura		11				11	
	Jakkur		5				2	
							43	NDP AE(Ele)
35	Filling the foundations KSRRB 2100-6: Filling th foundations trenches using approved sand as per drawing and techincal specfications in 250mm layers, wherever necessary watering and ramming inclduing cost of all aterials labour etc., complete							
	Khasinagara	cum						
	Main road		4	30	0.6	0.3	21.60	
	cross roads		2	30	0.6	0.3	10.80	
			2	30	0.6	0.3	10.80	
	bhadrappa layout		5	30	0.6	0.3	27.00	
			5	30	0.6	0.3	27.00	
			5	30	0.6	0.3	27.00	
			5	30	0.6	0.3	27.00	
			2	30	0.6	0.3	10.80	
	Kempapura		2	30	0.6	0.3	10.80	
			2	30	0.6	0.3	**10.80**	
			2	30	0.6	0.3	**10.80**	
			2	30	0.6	0.3	**10.80**	
	Jakkur		2	30	0.6	0.3	**10.80**	
	cross roads		2	30	0.6	0.3	**10.80**	
			2	30	0.6	0.3	**10.80**	
	Byatarayanapura		2	15	0.6	0.3	**5.40**	
							243	
					Qty Ltd to		**242.64**	NDP AE(Ele)

Assistant Executive Engineer.
Kodigehalli
Yelahanka
Bangalore.